

**AMENDMENTS TO THE CLAIMS**

Claims 1-6 (cancelled)

7. (Previously presented) An active pixel sensor comprising:  
a photoreceptor, wherein the photoreceptor comprises a pinned photodiode;  
a frame shutter, wherein the frame shutter is a PMOS frame shutter in a N-well;  
and  
an active pixel readout.

Claim 8. (Canceled)

9. (Original) The active pixel of Claim 7, wherein the frame shutter includes  
sample and hold and reset circuits.

10. (Currently amended) The active pixel sensor of Claim 9, wherein the sample  
and hold and reset circuits comprise ~~NMOS~~ PMOS transistors.

Claims 11-22. (Canceled)

23. (Previously presented) An active pixel sensor comprising:  
a photoreceptor comprising a pinned photodiode;  
an active pixel readout circuit, comprising source follower and row select  
transistors;  
and

a PMOS frame shutter comprising sample and hold and reset circuits, wherein the frame shutter is in an N-well, and wherein the sample circuit is in direct electrical connection to the source follower transistor of the active pixel readout circuit.

24. (Previously presented) The pixel sensor of Claim 23 wherein the sample and hold and reset circuits are PMOS transistors.